

DERWENT-ACC-NO: 1982-34384E

DERWENT-WEEK: 198217

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TITLE: Gel contg. hydroscopic crosslinked polymer -
e.g. craft
polymer of acrylic acid and starch, is coated
on
electrodes for attachment to skin

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PRIORITY-DATA: 1980JP-0124355 (September 8, 1980)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 57049431 A	March 23, 1982	N/A
009 N/A		

INT-CL (IPC): A61B005/04, A61N001/04

ABSTRACTED-PUB-NO: JP 57049431A

BASIC-ABSTRACT:

Gel contg. crosslinked polymer is new.

Examples of (II) are graft polymer of acrylic acid and starch, acrylic acid-polyvinyl alcohol copolymer and polyethylene oxide. These polymers are used after being crosslinked using metal oxides, viz. as zinc oxide, titanium oxide, magnesium oxide, calcium oxide, cadmium oxide, barium oxide, etc. To

(I), viscous cpd. viz. vinyl acetate, (m)ethyl polyacrylate, polyacrylic acid
PVA copolymer is pref. added. A hygroscopic agent such as CMC, starch, guar gum, arabic gum, locust bean gum, etc. may be added to (I).

(I) is painted on an electrode, which is used for detection of electric signals in a living body, or giving electric signals into a living body. In order to

increase the sensitivity of the electrode, the electrode must tightly adhere on the surface of skin of the living body. The interposition of (I) between skin and the electrode facilitates an electric current to pass between them due to its high electric conductivity.

TITLE-TERMS: GEL CONTAIN HYDROSCOPIC CROSSLINK POLYMER CRAFT POLYMER ACRYLIC

ACID STARCH COATING ELECTRODE ATTACH SKIN

ADDL-INDEXING-TERMS:

PVA POLYVINYL ALCOHOL POLYACRYLIC POLYACRYLATE ACETATE

DERWENT-CLASS: A14 A25 A96 G04 P31 P34

CPI-CODES: A12-V03C; G04-B;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0003 0013 0218 0057 0060 0066 0072 0183 0186 0231 0410
0411 0493

3004 3018 0535 0542 0787 1279 1588 3198 1985 1989 2007 2020 2300 2512
2551 3250

2718 2743 2768

Multipunch Codes: 013 028 034 037 04- 040 06- 066 067 07& 074 075 076
08- 081

082 083 09& 10- 147 15- 17& 18& 18- 19- 198 231 240 244 245 252 255
259 27& 336

341 473 477 48- 501 506 509 52& 532 533 535 623 627 643 645 688 720
722